

# CR-DX501 YU(S), YZ(S), YL(S)



# SERVICE MANUAL

**RADIO RECEIVER** 

This Service Manual is the "Revision Publishing" and replaces "Simple Manual" CR-DX501 YU(S)(S/M Code No. 09-003-343-8T1) CR-DX501 YZ(S),YL(S)(S/M Code No. 09-003-343-8T2).





#### **SPECIFICATIONS**

Frequency range The AM step switch is set to 10 kHz:

AM: 530 - 1,710 kHz (10 kHz step) FM: 87.5 - 108.1 MHz (200 kHz step) The AM step switch is set to 9 kHz: AM: 531 – 1,602 kHz (9 kHz step) FM: 87.5 – 108 MHz (50 kHz step)

**Maximum output** 

7 mW + 7 mW (EIAJ 32 ohms) (YU<S>/YL<S>models) 4 mW + 4 mW (EIAJ 32 ohms) (YZ<S>model) DC 3 V using two size AAA (R03) batteries

Power source Output Headphones jack (Stereo mini jack) Maximum dimensions  $74.5 \text{ (W)} \times 82 \text{ (H)} \times 29.5 \text{ (D)} \text{ mm}$ 

 $(3 \times 3^{1/4} \times 1^{3/16} in.)$ 

Weight Approx. 83 g (2.9 oz) (excluding battery)

• Design and specifications are subject to change without notice.

#### ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。 If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

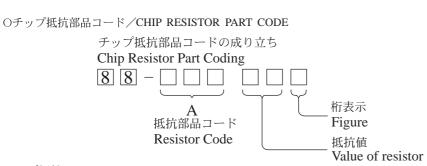
| REF. NO | PART NO.                         | KANRI<br>NO. | DESCRIPTION               |           |
|---------|----------------------------------|--------------|---------------------------|-----------|
| 1       | 8A-RC7-901-010                   | O IB,YU      | J(3L) <yu<s>&gt;</yu<s>   |           |
| 1       | 8A-RC7-904-010                   | O IB,YL      | (ESP) <yl<s>&gt;</yl<s>   |           |
| 1       | 8A-RC7-905-010                   | 0 IB,YZ      | (EGF) <yz<s>&gt;</yz<s>   |           |
| 1       | 8A-RC7-906-010                   | 0 IB,YZ      | (SID) <yz<s>&gt;</yz<s>   |           |
| 1       | 8A-RC7-907-010                   | 0 IB,YZ      | C(PHC) <yz<s>&gt;</yz<s>  |           |
| 2       | 87-B30-319-010<br>8A-RC7-004-010 |              | PHONE, HP-M046(S)<br>BELT | NECK-BAND |

#### **ELECTRICAL MAIN PARTS LIST**

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。 If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

| REF. NO                              |  | KANRI<br>NO.                                | DESCRIPTION   | REF. NO                                 |  | KANRI DESCRIPTION<br>NO.   |
|--------------------------------------|--|---|---|---|--|--|
| IC                                   | 87-A21-407-040<br>87-017-642-080<br>87-A21-605-010<br>87-A20-755-080                   | C-IC,TA2<br>IC,CXA16<br>C-IC,TC9            | 22M<br>318FA-056  | C146<br>C147<br>C148<br>C149<br>C150    | 87-A10-463-080<br>87-A10-463-080<br>87-012-274-080<br>87-012-274-080<br>87-010-831-080 | C-CAP,U 0.47-10 Z F<br>C-CAP,U 0.47-10 Z F<br>CHIP CAP,U 1000P-50B<br>CHIP CAP,U 1000P-50B |
| TRANSISTO                            |  | C-IC, ARY                                   | 5C43Ar  | C151<br>C152<br>C153<br>C158            | 87-010-196-080<br>87-010-082-010<br>87-010-082-010<br>87-010-031-010                   | CAPACITOR, 220MF 4V/87-0<br>CAPACITOR, 220MF 4V/87-0                                       |
|                                      | 89-342-153-080<br>89-341-165-080<br>89-113-625-080<br>87-026-467-080<br>89-508-804-080 | CHIP TRAI<br>TR,2SA13<br>TR,HN1C0           | NSISTOR 2SC4116GR<br>62GR(120MHZ,0.<br>1F (0.3W)                    | C159<br>C170<br>C171<br>C172<br>C173    | 87-010-031-010<br>87-010-162-080<br>87-010-805-080<br>87-010-188-080<br>87-010-501-010 | CAP,E 3.3-25 M BK  CAP, CHIP 47P  CAP, S 1-16  CAP,CHIP 6800P  CAP,E 47-4 M KS             |
| DIODE                                |  |   |   | CF101                                   | 87-A91-162-010   | FLTR,PFS450A7  |
|                                      | 87-020-339-080<br>87-001-553-080   |   | DE,1SS226<br>LSS322   | CF102<br>CF103<br>J101<br>L102<br>L103  | 87-A90-991-010<br>87-A91-094-010<br>8A-RCL-608-010<br>8A-RC7-601-010<br>8A-RC7-602-010 | FLTR,CDA10.7 MG80A<br>JACK,TC38 ST W/O SW<br>COIL,FM RF                                    |
| MAIN C.B                             |  |   |   |   |  |  |
| BPF101<br>C101<br>C102<br>C103       | 87-A90-749-010<br>87-012-199-080<br>87-012-286-080<br>87-010-831-080                   | CAP 220:<br>CAP, U 0                        | P<br>.01-25   | L104<br>L105<br>L110<br>L111<br>L112    | 87-003-152-080<br>8A-RC7-603-010<br>87-003-231-080<br>87-003-231-080<br>87-003-231-080 | COIL,BAR-ANT<br>C-COIL 1UH<br>C-COIL 1UH   |
| C103                                 | 87-010-873-080   |   | 560-50 SL   |   |  |  |
| C105<br>C107<br>C108<br>C109         | 87-012-335-080<br>87-012-172-080<br>87-012-167-080<br>87-010-873-080                   | CAPACITO<br>C-CAP,U<br>C-CAP,U              | 560-50 SL   | SW102<br>T101<br>T102<br>TC101<br>VC101 | 87-A91-152-010<br>87-A91-366-010<br>87-A91-366-010<br>87-A91-657-010<br>87-A40-462-040 | IFT,MW 5PLG<br>IFT,MW 5PLG<br>TRIMMER,20P 4.0X4.5 ECRL                                     |
| C110<br>C111<br>C112<br>C114<br>C115 | 87-010-872-080<br>87-012-162-080<br>87-012-274-080<br>87-010-197-080<br>87-012-172-080 | C-CAP,U<br>CHIP CAP<br>CAP, CHI<br>CAPACITO | ,U 1000P-50B<br>P 0.01 DM<br>R CHIP U 10P CH                        | VC102<br>VC103<br>VER001<br>VR101       | 87-A40-471-070<br>87-A40-471-070<br>87-001-553-080<br>87-A91-741-010                   | C-VARI-CAP, KV1435<br>C-DIODE 1SS322   |
| C116                                 | 87-012-272-080   | C-CAP,U                                     | 680P-50 B   | FRONT C.B                               |  |  |
| C117<br>C118<br>C119<br>C120<br>C121 | 87-012-174-080<br>87-012-268-080<br>87-A10-047-080<br>87-A10-047-080<br>87-010-831-080 | C-CAP,U<br>C-CAP,U<br>C-CAP,U               | 1-10 Z F<br>1-10 Z F  | C501<br>C502<br>C503<br>C504<br>C506    | 87-012-286-080<br>87-010-132-010<br>87-010-831-080<br>87-010-501-010<br>87-012-176-080 | CAP, ELECT 1-50V<br>C-CAP,U,0.1-16F<br>CAP GAS 47UF 4V                                     |
| C122<br>C123<br>C124<br>C125<br>C126 | 87-A10-047-080<br>87-010-831-080<br>87-012-286-080<br>87-012-286-080<br>87-A10-463-080 | C-CAP,U,<br>CAP, U 0<br>CAP, U 0            | 0.1-16F<br>.01-25   | C507<br>C508<br>C509<br>C510<br>C511    | 87-012-176-080<br>87-010-831-080<br>87-010-831-080<br>87-010-831-080<br>87-010-831-080 | C-CAP,U,0.1-16F<br>C-CAP,U,0.1-16F<br>C-CAP,U,0.1-16F                                      |
| C127<br>C128<br>C129<br>C130<br>C131 | 87-010-419-010<br>87-010-831-080<br>87-010-082-010<br>87-012-286-080<br>87-012-286-080 | C-CAP,U,<br>CAPACITO<br>CAP, U 0            | 0.1-16F<br>R, 220MF 4V/87-0<br>.01-25                               | C512<br>C513<br>C514<br>C515<br>LCD001  | 87-012-273-080<br>87-012-273-080<br>87-012-273-080<br>87-012-273-080<br>8A-RC7-605-010 | C-CAP,U 820P-50 B<br>C-CAP,U 820P-50 B<br>C-CAP,U 820P-50 B                                |
| C132<br>C133<br>C134<br>C135<br>C136 | 87-012-286-080<br>87-010-082-010<br>87-010-831-080<br>87-010-033-010<br>87-010-033-010 | CAPACITO<br>C-CAP,U,<br>CAP,E 10            | R, 220MF 4V/87-0<br>0.1-16F<br>-16                                  | SW511<br>SW512<br>X501                  | 87-A91-152-010<br>87-A91-152-010<br>87-A70-187-010                                     | SW,SL 1-1-2 SSSS212-11-A<br>SW,SL 1-1-2 SSSS212-11-A                                       |
| C137<br>C139<br>C140<br>C141<br>C143 | 87-012-274-080<br>87-012-285-080<br>87-010-785-080<br>87-010-785-080<br>87-010-781-080 | C-CAP,U<br>C-CAP,U0<br>C-CAP,U0             | ,U 1000P-50B<br>8200P-50 KB<br>.015-25BK<br>.015-25BK<br>390P-50 SL |   |  |  |

Regarding connectors, they are not stocked as they are not the initial order items.
 The connectors are available after they are supplied from connector manufacturers upon the order is received.



チップ抵抗 Chip resistor

| 容量      | 種類   | 許容誤差      | 記号     | 寸法/Dime | 寸法/Dimensions (mm) |      |      |                   |  |  |
|---------|------|-----------|--------|---------|--------------------|------|------|-------------------|--|--|
| Wattage | Type | Tolerance | Symbol | 外形/Form | L                  | W    | t    | Resistor Code : A |  |  |
| 1/16W   | 1005 | ± 5%      | CJ     |         | 1.0                | 0.5  | 0.35 | 104               |  |  |
| 1/16W   | 1608 | ± 5%      | CJ     | L J t   | 1.6                | 0.8  | 0.45 | 108               |  |  |
| 1/10W   | 2125 | ± 5%      | CJ     |         | 2                  | 1.25 | 0.45 | 118               |  |  |
| 1/8W    | 3216 | ± 5%      | CJ     | ŗ       | 3.2                | 1.6  | 0.55 | 128               |  |  |

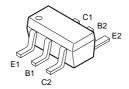
#### TRANSISTOR ILLUSTRATION



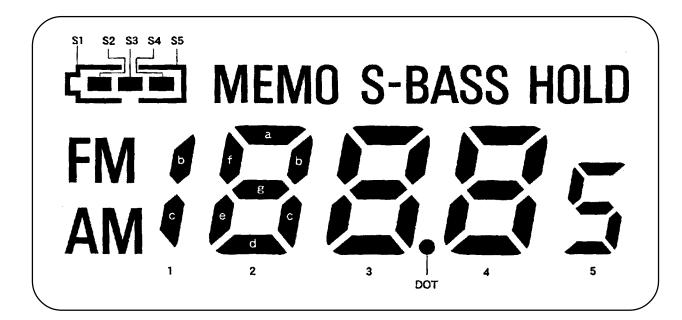
2SA1362GR 2SC4116GR 2SC4215



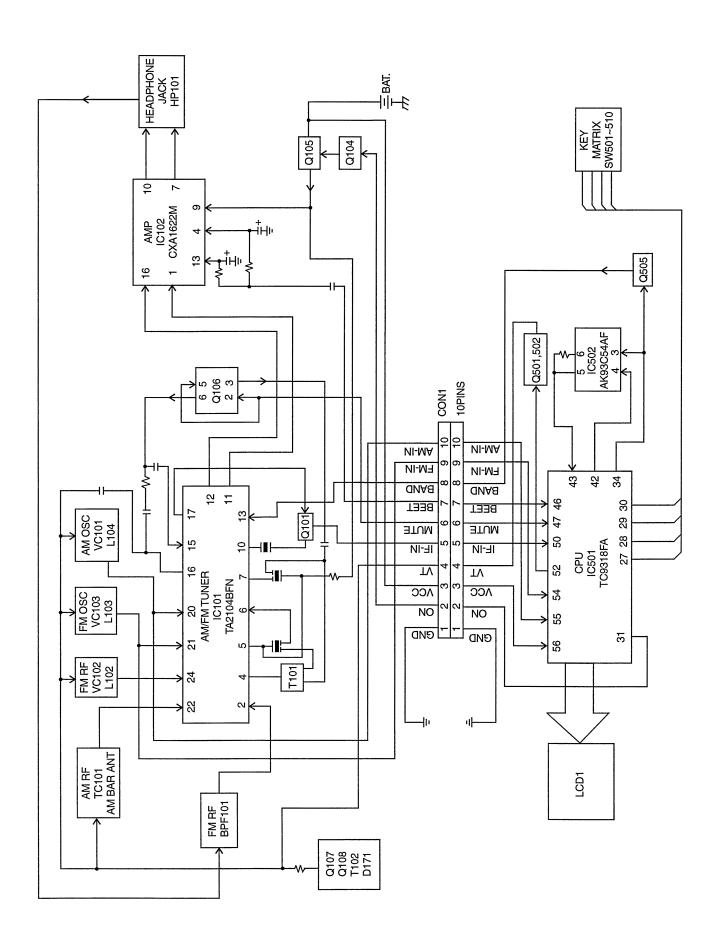
2SK880Y

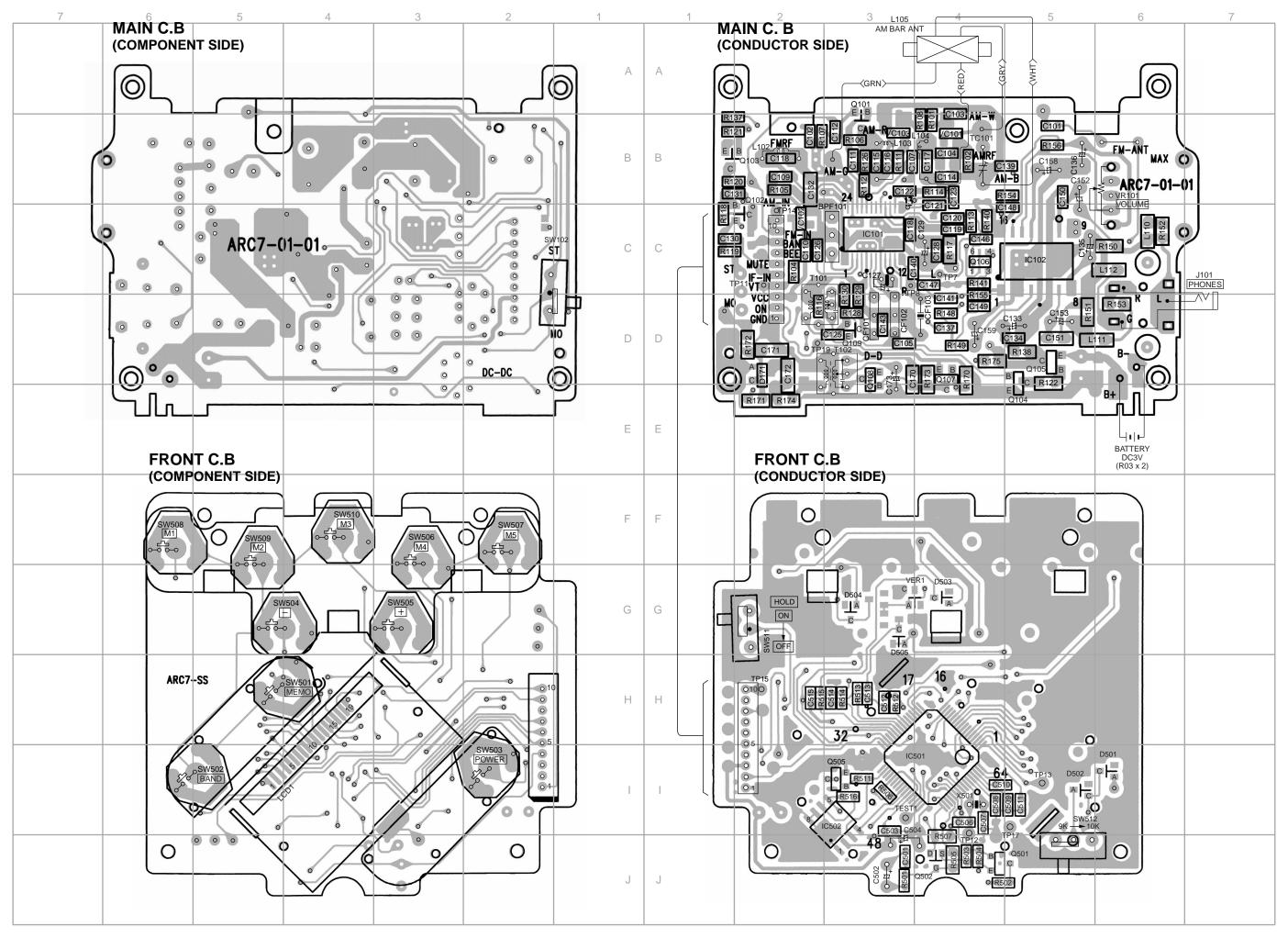


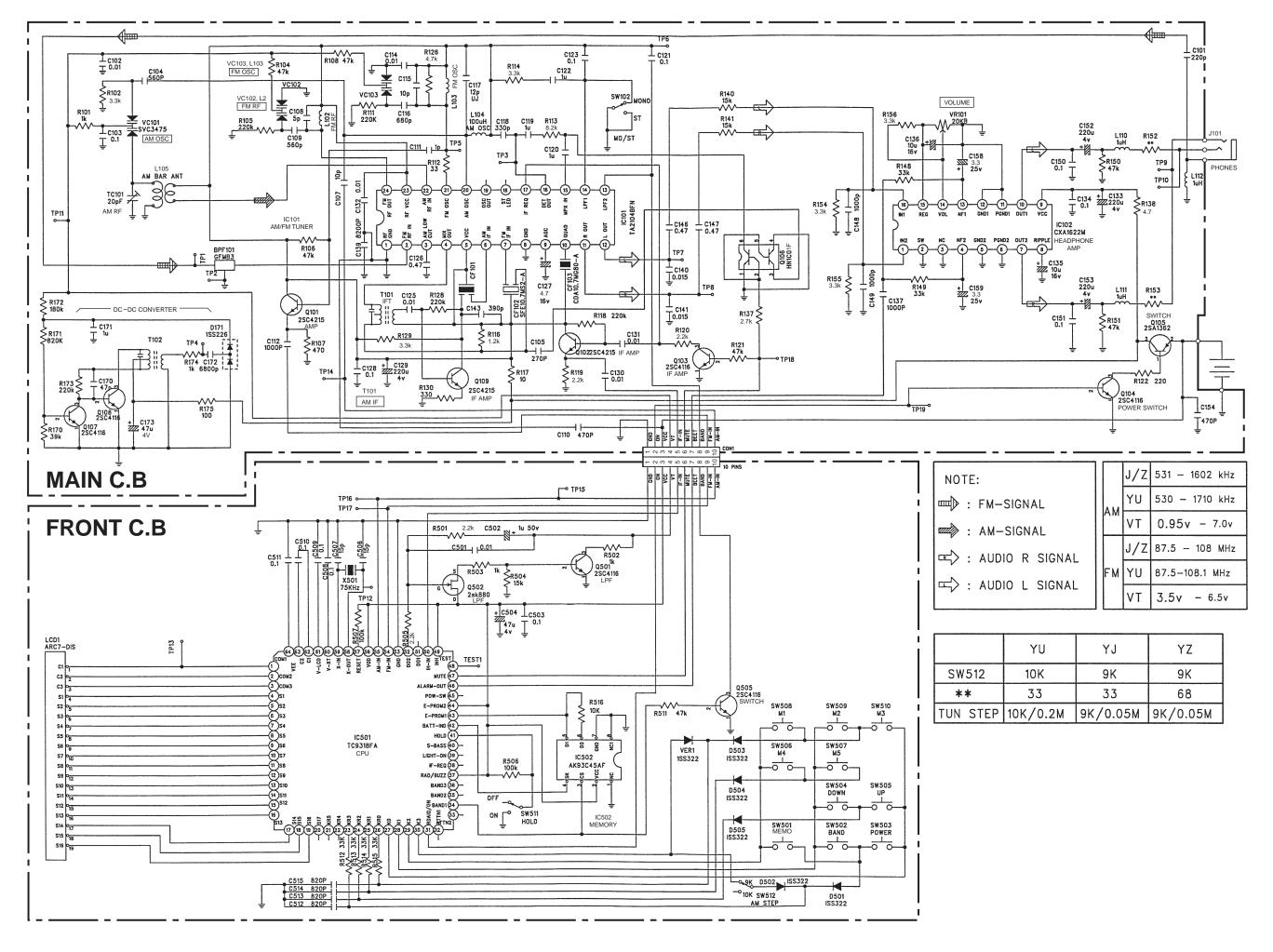
HN1C01F



| No. | COM1 | COM2 | СОМЗ   |
|-----|------|------|--------|
| 1   | COM1 |      |        |
| 2   |      | COM2 |        |
| 3   |      |      | СОМЗ   |
| 4   |      |      | FM     |
| 5   |      | AM   |        |
| 6   |      |      | S1     |
| 7   |      |      | S2     |
| 8   |      |      | S3     |
| 9   | 1c   | 1b   | S4     |
| 10  | 2e   | 2f   | S5     |
| 11  | 2g   | 2a   | MEMO   |
| 12  | 2d   | 2c   | 2b     |
| 13  |      |      | S-BASS |
| 14  | 3e   | 3f   | 3a     |
| 15  | 3d   | 3g   | 3b     |
| 16  |      | DOT  | 3c     |
| 17  | 4d   | 4e   | 4f     |
| 18  | 4g   | 4a   | HOLD   |
| 19  | 5    | 4c   | 4b     |







#### **ELECTRICAL ADJUSTMENT**

#### **TUNER SECTION**

#### TEST CONDITION: SET AM/FM TUNER ON ONE FREQUENCY

#### IC101 (TA2104BFN)

| PIN'S NUMBER | 1  | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|--------------|----|------|------|------|------|------|------|------|------|------|------|------|
| FM           | 0  | 0.77 | 0    | 2.10 | 2.85 | 2.71 | 2.83 | 0    | 0.03 | 2.06 | 1.14 | 1.15 |
| АМ           | 0  | 0    | 1.00 | 2.77 | 2.88 | 2.20 | 2.88 | 0    | 0.18 | 2.78 | 1.14 | 1.12 |
| PIN'S NUMBER | 13 | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   |
| FM           | 2  | 2.20 | 0.70 | 1.12 | 1.12 | 1.80 | 2.70 | 0.90 | 2.82 | 2.85 | 2.84 | 2.84 |
| AM           | 0  | 0.70 | 0.70 | 1.00 | 1.20 | 1.50 | 2.70 | 2.88 | 2.80 | 2.88 | 2.88 | 2.88 |

| ſ | TRANSISTOR | Q501(2SC4116) |      |      | Q50  | )2(2SK | 380) | Q505(2SC4116) |      |      |  |
|---|------------|---------------|------|------|------|--------|------|---------------|------|------|--|
| ſ |            | Е             | С    | В    | Е    | C      | В    | Е             | С    | В    |  |
|   | FM         | 0             | 3.40 | 0.55 | 0.59 | 0.28   | 2.69 | 0             | 1.96 | 0    |  |
| ſ | АМ         | 0             | 0.80 | 0.55 | 0.60 | 0.29   | 2.88 | 0             | 0.01 | 0.60 |  |

| TRANSISTOR | Q107(2SC4116) |      | Q108(2SC4116) |   |   | Q101(2SC4215) |   |      | Q109(2SC4215) |      |      |      |
|------------|---------------|------|---------------|---|---|---------------|---|------|---------------|------|------|------|
|            | E             | С    | В             | E | С | В             | E | С    | В             | E    | С    | В    |
| AM         | 0             | 0.60 | 0.50          | 0 | 0 | 0.70          | 0 | 1.40 | 0.60          | 0.10 | 1.48 | 0.80 |

| TRANSISTOR | Q10  | 2(2SC4 | 215) | Q103(2SC4116) |      |   |  |  |
|------------|------|--------|------|---------------|------|---|--|--|
|            | Е    | С      | В    | Е             | C    | В |  |  |
| АМ         | 1.12 | 2.70   | 1.79 | 0             | 1.20 | 0 |  |  |

### POWER AMP SECTION TEST CONDITION: TUNER ON

#### IC501 (TC9318FA)

| 10301 (1030101 A | -,   |      |      |      |      |      |      |      |      |      |      |      |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| PIN'S NUMBER     | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| FM               | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| PIN'S NUMBER     | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   |
| FM               | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| PIN'S NUMBER     | 25   | 26   | 27   | 28   | 29   | 30   | 31   | 32   | 33   | 34   | 35   | 36   |
| FM               | 1.55 | 1.55 | 1.32 | 1.30 | 0.70 | 0.75 | 0.75 | 0    | 0    | 0    | 0    | 2.60 |
| PIN'S NUMBER     | 37   | 38   | 39   | 40   | 41   | 42   | 43   | 44   | 45   | 46   | 47   | 48   |
| FM               | 2.74 | 0    | 0    | 0    | 2.71 | 0    | 0    | 2.95 | 0.90 | 0    | 0    | 0    |
| PIN'S NUMBER     | 49   | 50   | 51   | 52   | 53   | 54   | 55   | 56   | 57   | 58   | 59   | 60   |
| FM               | 2.70 | 1.40 | 0    | 0.27 | 0    | 1.50 | 0    | 2.98 | 2.95 | 0.25 | 0.75 | 1.37 |
| PIN'S NUMBER     | 61   | 62   | 63   | 64   |      |      |      |      |      |      |      |      |
| FM               | 3.00 | 0.74 | 2.25 | 1.50 |      |      |      |      |      |      |      |      |

#### IC102 (LXA1622M)

| PIN'S NUMBER | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
|--------------|------|------|------|------|------|------|------|------|
| FM           | 0    | 0    | 0    | 1.45 | 0    | 0    | 0    | 2.70 |
| PIN'S NUMBER | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| FM           | 2.92 | 1 47 | 0.00 | 0    | 1.45 | 1.27 | 1.28 | 0    |

#### IC502 (AK93045AF)

| PIN'S NUMBER | 1 | 2    | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------|---|------|---|---|---|---|---|---|
| FM           | 0 | 2.75 | 0 | 0 | 0 | 0 | 0 | 0 |

| TRANSISTOR | Q10  | 5(2SA1 | 362) | Q104(2SC4116) |      |      |  |  |
|------------|------|--------|------|---------------|------|------|--|--|
|            | E    | С      | В    | E             | С    | В    |  |  |
| FM         | 2.95 | 2.90   | 2.10 | 0             | 0.03 | 0.75 |  |  |

# AM BAR ANT R172 TC101 TC101 T101 T101 T101

1. AM IF Adjustment

Test point: IC101(TA2104BFN) 16 PIN and GND

Adjustment location: T101 T101 ----- 450kHz Test point: R172
Adjustment location: L103
Set the tuner frequency to be 87.5MHz
Adjust L103 so that the test point voltage is

3. FM Frequency Range Adjustment

3.5V ±0.5V

2. AM Tracking Adjustment

Test point: IC101(TA2104BFN) 16 PIN and GND Adjustment location: TC101, AM BAR ANT TC101 ------ 600kHz waveform max.

AM BAR ANT----- 1400kHz waveform max.

4. FM Tracking Adjustment

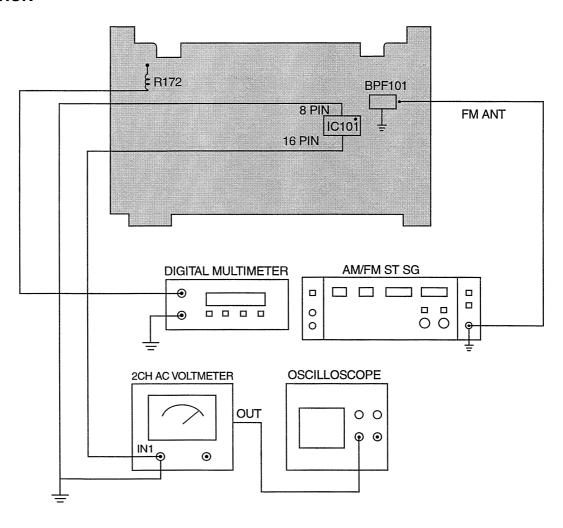
Test point: IC101(TA2104BFN) 16 PIN and GND

Adjustment location: L102

L102 ----- 88MHz waveform max.

#### **AM SECTION** LOOP ANT AM BAR ANT 60mm 8 PIN IC101 16 PIN OSCILLOSCOPE 2CH AC VOLTMETER AM/FM ST SG OUT 00 00 0 φ ⊙ Θ-IN1 ⊚

#### **FM SECTION**



#### PRACTICAL SERVICE FIGURE

#### < AM SECTION >

Sensitivity: 49dB (600kHz) (S/N 10dB) 47dB (1,000kHz)

45dB (1,400kHz)

Distortion: Less than 1.5% (1,000kHz)

(Input 100dB)

Intermeduate Frequency:  $450kHz\pm3kHz$ Signal to Noise Ratio: 30dB (600kHz) (Input 74dB) 30dB (1,000kHz) 30dB (1,400kHz)

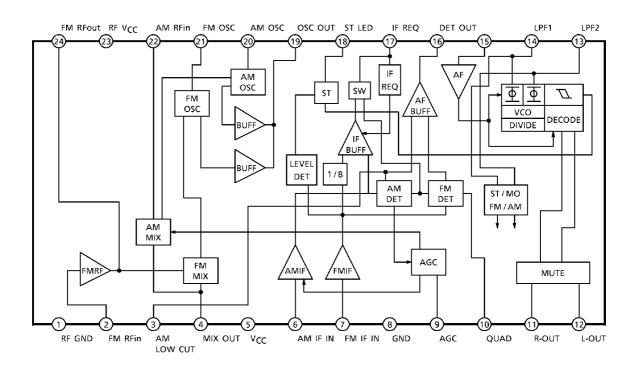
#### < FM SECTION >

Sensitivity: 12dB (88MHz) (THD 3%) 12dB (98MHz)

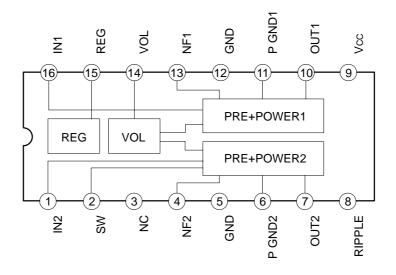
12dB (100MHz)

Distortion: Less than 1%

Intermediate Frequency: 10.7MHz±0.15MHz Stereo Separation: More than 25dB



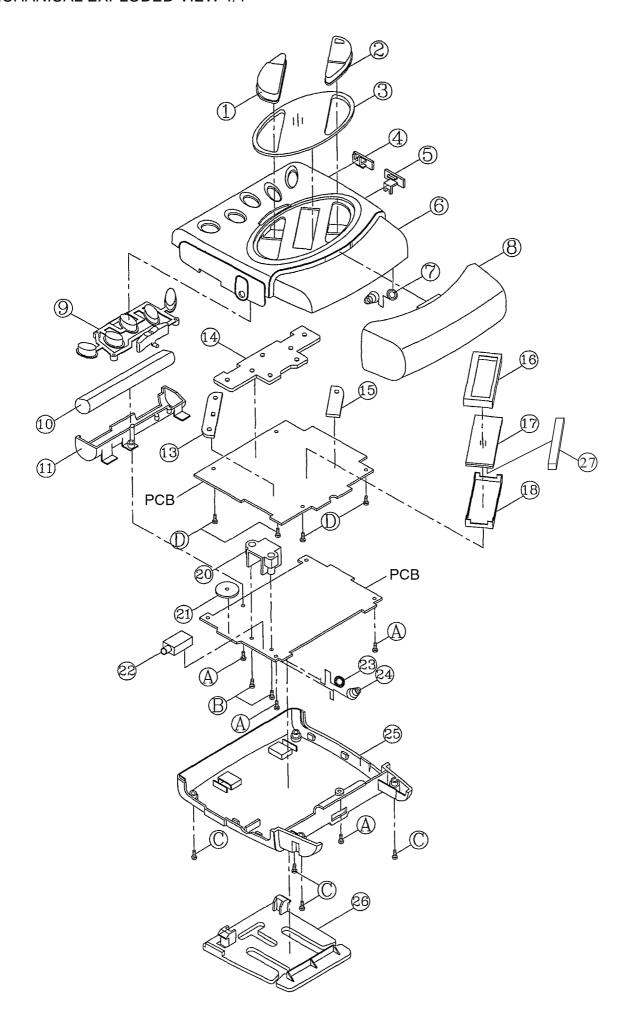
#### IC, CXA1622M



## IC DESCRIPTION IC, TC9318FA-056

| Pin No. | Pin Name     | I/O | Description  |  |
|---------|--------------|-----|--|--|
| 1       | COM1         | О   | LCD COMMON.  |  |
| 2       | COM2         | О   | LCD COMMON.  |  |
| 3       | COM3         | О   | LCD COMMON.  |  |
| 4       | LCD1         | О   | LCD SEGMENT.   |  |
| 5       | LCD2         | О   | LCD SEGMENT.   |  |
| 6       | LCD3         | О   | LCD SEGMENT.   |  |
| 7       | LCD4         | О   | LCD SEGMENT.   |  |
| 8       | LCD5         | О   | LCD SEGMENT.   |  |
| 9       | LCD6         | О   | LCD SEGMENT.   |  |
| 10      | LCD7         | О   | LCD SEGMENT.   |  |
| 11      | LCD8         | О   | LCD SEGMENT.   |  |
| 12      | LCD9         | О   | LCD SEGMENT.   |  |
| 13      | LCD10        | О   | LCD SEGMENT.   |  |
| 14      | LCD11        | О   | LCD SEGMENT.   |  |
| 15      | LCD12        | О   | LCD SEGMENT.   |  |
| 16      | LCD13        | О   | LCD SEGMENT.   |  |
| 17      | LCD14        | О   | LCD SEGMENT.   |  |
| 18      | LCD15        | О   | LCD SEGMENT.   |  |
| 19      | LCD16        | О   | LCD SEGMENT.   |  |
| 20      | LCD17        | О   | LCD SEGMENT.   |  |
| 21      | KR5          | О   | KEY RETURN TIMING OUTPUT   |  |
| 22      | KR4          | О   | KEY RETURN TIMING OUTPUT. (Not connected)                            |  |
| 23      | KR3          | О   | KEY RETURN TIMING OUTPUT.  |  |
| 24      | KR2          | О   | KEY RETURN TIMING OUTPUT.  |  |
| 25      | KR1          | О   | KEY RETURN TIMING OUTPUT.  |  |
| 26      | KR0          | О   | KEY RETURN TIMING OUTPUT.  |  |
| 27      | K0           | I   | KEY INPUT.   |  |
| 28      | K1           | I   | KEY INPUT.   |  |
| 29      | K2           | I   | KEY INPUT.   |  |
| 30      | K3           | I   | KEY INPUT.   |  |
| 31      | RADIO ON     | О   | RADIO FANCTIONS, C WHEN ALARM OUTPUT, H OUTPUT.                      |  |
| 32      | ATTN1        | О   | WHEN ALARM OUTPUT H→H→L→L OUTPUT at 10sec. (Not connected)           |  |
| 33      | ATTN2        | О   | WHEN ALARM OUTPUT H→L→H→L OUTPUT at 10sec.                           |  |
| 34      | BAND1        | О   | AM FANCTIONS H OUTPUT.   |  |
| 35      | BAND2        | О   | FM FANCTIONS H OUTPUT. (Not connected)                               |  |
| 36      | BAND3        | О   | E: LW or J: TV or U: TV, WEATHER FANCTIONS H OUTPUT. (Not connected) |  |
| 37      | DADIO/DUZZED | ī   | ALARM SELECTION H : RADIO ALARM L: FBUZZER ALARM.                    |  |
| 31      | RADIO/BUZZER | I   | (Connected to VDD)   |  |
| 38      | IF REQ       | О   | DURING AUTO SCANNING H OUTPUT.                                       |  |
| 39      | LIGHT ON     | О   | LIGHT KEY PUSHED H OUTPUT.   |  |
| 40      | S-BASS OUT   | О   | S BASS KEY PUSHED H↔L OUTPUT CICRIC.                                 |  |

| Pin No. | Pin Name  | I/O | Description  |
|---------|-----------|-----|--|
| 41      | HOLD      | I   | L INPUT, KEYS HOLD.                                |
| 42      | E-PROM1   | I/O | E-PROM INTERFACE.                                  |
| 43      | E-PROM2   | I/O | E-PROM INTERFACE.                                  |
| 44      | BATT IND  | A/D | A/D INPUT FOR BATTRY INDICATOR. (Connected to VDD) |
| 45      | POWER SW  | I   | H INPUT, RADIO ON.                                 |
| 46      | ALARM OUT | О   | ALARM1,ALARM2 OUTPUT.                              |
| 47      | MUTE      | 0   | WHEN MUTE ON, H OUTPUT.                            |
| 48      | TEST      | I   | (Not connected)                                    |
| 49      | INH       | I   | L INPUT RADIO OFF.                                 |
| 50      | IF IN     | I   | IF SIGNAL INPUT.                                   |
| 51      | DO1       | О   | PLL OUTPUT. (Connected to VDD)                     |
| 52      | DO2       | О   | PLL OUTPUT.  |
| 53      | GND       | _   | GND.   |
| 54      | FM IN     | I   | FM OSC SIGNAL INPUT.                               |
| 55      | AM IN     | I   | AM OSC SIGNAL INPUT.                               |
| 56      | VDD       | _   | Power Supply Pin.                                  |
| 57      | RESET     | I   | (Pull up)  |
| 58      | X OUT     | 0   |  |
| 59      | X IN      | I   |  |
| 60      | V XT      |     | (Pull down)  |
| 61      | V LCD     |     |  |
| 62      | C1        |     |  |
| 63      | C2        |     |  |
| 64      | VEE       | _   | (Pull down)  |



#### MECHANICAL PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。 If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

| REF. NO  | PART NO.                       | KANRI<br>NO. | DESCRIPTION                                 | REF. NO  | P      | ART NO.              | KANF<br>NO. | DESCRIPTION   |
|----------|--------------------------------|--------------|---|----------|--------|----------------------|-------------|---|
| 1 2      | 8A-RC7-006-01<br>8A-RC7-007-01 | . ,          |   |          |        | CL-608-0<br>C7-206-0 |             | JACK,TC38 ST W/O SW<br>BAT-CONTACT,(+)                      |
| 3<br>4   | 8A-RC7-005-01<br>8A-RC7-009-01 |              |   |          |        | C7-207-0<br>C7-002-0 |             | BAT-CONTACT, (-) CABI, REAR YU <yl<s>, YU<s>&gt;</s></yl<s> |
|          | 8A-RC7-010-01                  | . ,          | FM MODE                                     |          |        | C7-011-0             |             | CABI, REAR YZ <yz<s>&gt;</yz<s>                             |
|          | 8A-RC7-001-01                  |              |   |          |        | C7-004-0             |             | CLIP, BELT  |
| 7<br>8   | 8A-RC7-208-01<br>8A-RC7-003-01 |              | <pre>TACT,(+/-) I YU<yu<s>&gt;</yu<s></pre> |          |        | C7-209-0<br>54-529-3 |             | CONN, RUBBER LCD<br>VT2+1.7-4                               |
| 8        | 8A-RC7-012-01<br>8A-RC7-008-01 | . ,          | T YZ <yz<s>,YL<s>&gt;</s></yz<s>            |          |        | 10-304-0<br>10-026-0 |             | VT2+1.7-10 W/O CR<br>VT2+1.7-8 CR HL                        |
| -        |                                | •            |   |          |        |                      |             |   |
| 10<br>11 | 8A-RC7-603-01<br>8A-RC7-201-01 | ,            |   | <u> </u> | ) 87-3 | 57-529-3             | 10          | VT2+1.7.0 GLD   |
| 13<br>14 | 8A-RC7-211-01<br>8A-RC7-203-01 | . ,          |   |          |        |                      |             |   |
| 15       | 8A-RC7-204-01                  |              |   |          |        |                      |             |   |
| 16       | 8A-RC7-205-01                  | . , .        |   |          |        |                      |             |   |
| 17<br>18 | 8A-RC7-605-01<br>8A-RC7-202-01 |              |   |          |        |                      |             |   |
| 20<br>21 | 8A-RC7-210-01<br>87-A91-741-01 | 0 HLDR,JA    |   |          |        |                      |             |   |
|          |                                |              |   |          |        |                      |             |   |

#### COLOR NAME TABLE

| Basic color symbol | Color             | Basic color symbol | Color              | Basic color symbol | Color              |
|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
| В                  | Black             | С                  | Cream              | D                  | Orange             |
| G                  | Green             | Н                  | Gray               | L                  | Blue               |
| LT                 | Transparent Blue  | N                  | Gold               | Р                  | Pink               |
| R                  | Red               | S                  | Silver             | ST                 | Titan Silver       |
| Т                  | Brown             | V                  | Violet             | W                  | White              |
| WT                 | Transparent White | Y                  | Yellow             | YT                 | Transparent Yellow |
| LM                 | Metallic Blue     | LL                 | Light Blue         | GT                 | Transparent Green  |
| LD                 | Dark Blue         | DT                 | Transparent Orange |                    |                    |

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表) **AIWA CO.,LTD.** 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111 Printed in Singapore 931196